AMENDMENTS TO THE TITLE

Please amend the title as follows:

DATA TRANSMISSION METHOD FOR SEQUENTIALLY TRANSMITTING PACKETS, DATA TRANSMISSION APPARATUS, AND DATA RECEPTION APPARATUS, ~~AND PACKET DATA STRUCTURE~~

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 7, line 15, as follows:

In the above-described data transmission system Csl, when transmitting data by PPP using the V. Jacobson's header compression method, two types of packets are used as the PPP packets Pppp to be transmitted by this protocol, as shown in ~~figure 30~~ <u>figures 30(a) and 30(b)</u>. That is, one is a compressed packet Py in which data to be transmitted (hereinafter referred to as transmission data) stored in the data section is compressed (refer to figure 30(b)), and the other is an uncompressed packet Px in which transmission data stored in the data section is not compressed (refer to figure 30(a)). Figures 30(a) and 30(b) show only parts of these PPP packets, which are required for describing the V. Jacobson's header compression method.

Please amend the paragraph at page 33, line 30, as follows:

According to a ~~thirteenth~~ <u>thirtieth</u> aspect of the present invention, in the data transmission method of the twenty-ninth aspect, each of the item-basis compressed data includes data length information indicating the length of the compressed data. Therefore, the item-basis compressed data is restored with efficiency.

Please amend the paragraph at page 46, line 18, as follows:

Figures 27(a)<u>,</u> ~~and~~ 27(b) <u>and 27(c)</u> are diagrams for explaining transmission data to be transmitted (27(a)) and specific data stored in an uncompressed packet Pi and a compressed packet Pj (27(b))<u>,</u> according to the modification of the fifth embodiment.

Please amend the paragraph at page 49, line 11, as follows:

Figures 1 to 11 are diagrams for explaining a data transmission method according to a first embodiment of the present invention. This first embodiment corresponds to ~~Claims~~ aspects 1~9, 18~21, 32, 33, 36, and 37.

Please amend the paragraph at page 49, line 15, as follows:

In the data transmission method of this first embodiment, data transmission from a transmitter to a receiver is performed packet by packet. The transmitter forms uncompressed packets and compressed packets and transmits these packets, and the receiver receives these packets from the transmitter and sequentially restores the received packets. In this method, difference data, which is based on transmission data stored in an uncompressed packet that has been transmitted most-recently, is stored in a compressed packet to be transmitted. To be specific, the ~~different~~ difference data stored in the compressed packet to be transmitted is obtained by using the transmission data stored in the uncompressed packet as reference data, and subtracting the transmission data to be transmitted by the compressed packet from the reference data.

Please amend the paragraph at page 64, line 14, as follows:

Subsequently, the packet formation unit 12 forms a compressed packet Pb(2) in which the ~~different~~ difference data (D1-D2) is stored as compressed data Id of the transmission data (D2). In this compressed packet Pb(2), "compressed" is set as the compression/uncompression

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identifier Ihl, and the identifier (ID=O) which indicates the uncompressed packet Pa(1) as a

reference packet required for restoration of this compressed packet Pb(2) is set as the reference

packet identifier Ih2b. Further, when the compressed packet Pb(2) has been formed in the

formation unit 12, the reference information management unit 15 does not update the reference

packet identifier (ID) and the reference data (D) as the transmitting-end reference information

Im1.

Please amend the paragraph at page 90, line 12, as follows:

Figure 12 is a block diagram for explaining a data transmission method according to a

second embodiment of the present invention, illustrating a data transmission apparatus 102 in a

data transmission system using this data transmission method. This second embodiment

corresponds to ~~Claims~~ aspects 1, 2, 10~12, 18~21, 32, 33, 36, and 37.

Please amend the paragraph at page 95, line 16, as follows:

Figures 14 and 15 are diagrams for explaining a data transmission method according to a

third embodiment of the present invention. This third embodiment corresponds to ~~Claims~~ aspects

1, 2, 13~15, 18~21, 32, 33, 36, and 37.

Please amend the paragraph at page 99, line 25, as follows:

Figures 16 and 17 are block diagrams for explaining a data transmission method

according to a fourth embodiment of the present invention. Figure 16 illustrates a data

transmission apparatus 104 in a data transmission system which employs the data transmission method. This fourth embodiment corresponds to ~~Claims~~ <u>aspects</u> 1, 2, 16~21, 32, 33, 36 and 37.

Please amend the paragraph at page 110, line 14, as follows:

Figures 18 to 27 are diagrams for explaining a data transmission method according to a fifth embodiment of the invention, and a data transmission system using the data as transmission method. This fifth embodiment corresponds to ~~Claims~~ <u>aspects</u> 22~31, 34, 35, 38~40.